



A

Student Name _____

School Name _____

District Name/LEA _____

Grade 4
Mathematics
Performance Based Assessment
Practice Test

B

Last Name										First Name										MI
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
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H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z

School Use Only

F State Student Identifier

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F
G	G	G	G	G	G	G	G	G	G
H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M
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P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
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5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

C

Place the Student ID Label Here

D Gender

Female Male

E Date of Birth

Day	Month	Year
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1	Jan	0
2	Feb	1
3	Mar	2
4	Apr	3
5	May	4
6	Jun	5
7	Jul	6
8	Aug	7
9	Sep	8
<input type="radio"/>	Oct	9
<input type="radio"/>	Nov	<input type="radio"/>
<input type="radio"/>	Dec	<input type="radio"/>

Directions for Completing the Answer Grids

1. Work the problem and find an answer.
2. Write your answer in the boxes at the top of the grid.
 - Print your answer starting with the first digit in the left box.
 - Print only one digit or symbol in each box. You may not need all the boxes to enter an answer, but do not leave a blank box in the middle of an answer.
3. Under each box in which you wrote your answer, fill in the bubble that matches the number or symbol you wrote above.
 - Fill in one and **ONLY** one bubble for each box. Do not fill in a bubble under an unused box.
 - Fill in each bubble by making a solid mark that completely fills the circle.
 - Fractions cannot be entered into an answer grid and will not be scored. Enter fractions as decimals.
4. See below for examples on how to correctly complete an answer grid.

To answer 632 in a question, fill in the answer grid as follows:

6	3	2			
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0	0	0
1	1	1	1	1	1
2	2	<input checked="" type="radio"/>	2	2	2
3	<input checked="" type="radio"/>	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
<input checked="" type="radio"/>	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

To answer .75 in a question, fill in the answer grid as follows:

.	7	5			
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	<input checked="" type="radio"/>	5	5	5
6	6	6	6	6	6
7	<input checked="" type="radio"/>	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Use the information provided to answer Part A and Part B for question 3.

The number of science fair projects entered for each grade in a city-wide science fair is shown.

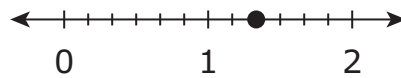
City-Wide Science Fair

Grade	Number of Science Fair Projects
3	462
4	759
5	891

4. Which pair of fractions is equivalent?

- (A) $\frac{1}{3}$ and $\frac{3}{5}$
- (B) $\frac{2}{4}$ and $\frac{3}{5}$
- (C) $\frac{6}{10}$ and $\frac{4}{8}$
- (D) $\frac{6}{10}$ and $\frac{3}{5}$

5. The point on the number line shows the value of the sum of two fractions.



Which expression has the same sum?

- (A) $\frac{4}{3} + \frac{4}{3}$
- (B) $\frac{6}{4} + \frac{2}{4}$
- (C) $\frac{5}{6} + \frac{3}{6}$
- (D) $\frac{2}{12} + \frac{6}{12}$

Use the information provided to answer Part A and Part B for question 7.

Jake and each of his two brothers choose a fraction between 0 and 1. Jake chooses $\frac{3}{4}$, Aaron chooses $\frac{9}{10}$, and Simon chooses $\frac{4}{12}$.

7. Part A

Which comparison is correct?

- Ⓐ $\frac{9}{10} < \frac{4}{12}$
- Ⓑ $\frac{4}{12} = \frac{3}{4}$
- Ⓒ $\frac{3}{4} < \frac{9}{10}$
- Ⓓ $\frac{4}{12} > \frac{3}{4}$

Part B

Select a group of fractions that includes an equivalent fraction for each of the fractions $\frac{3}{4}$, $\frac{9}{10}$, and $\frac{4}{12}$.

- Ⓐ $\frac{3}{8}, \frac{9}{100}, \frac{1}{4}$
- Ⓑ $\frac{3}{8}, \frac{90}{100}, \frac{1}{3}$
- Ⓒ $\frac{9}{12}, \frac{90}{100}, \frac{1}{3}$
- Ⓓ $\frac{9}{12}, \frac{90}{100}, \frac{1}{4}$

Part B

Explain how to determine the money Jian's family could make if they use only 6-ounce jars. Include the total amount of money and the total number of 6-ounce jars in your explanation.

Enter your answers and your explanation in the space provided.

9. Part A

Camille wants to make 6 drinks for her friends. How many total cups of blueberries and banana slices will she use to make the 6 drinks?

- (A) $\frac{7}{8}$
- (B) $\frac{12}{8}$
- (C) $\frac{30}{8}$
- (D) $\frac{42}{8}$

Part B

Next Camille will add the yogurt and ice. How many total cups of yogurt and ice will she use to make the 6 drinks? Show your work or explain your answer.

Enter your answer and work or explanation in the space provided.

11. A basketball team scored a total of 747 points for the season. This was 9 times the number of points scored in the first game. How many points were scored during the first game?

- (A) 73
- (B) 75
- (C) 82
- (D) 83

12. Which numbers make the comparison true?

$$27,768 < \square$$

Select the **two** correct answers.

- (A) 27,759
- (B) 28,744
- (C) 26,773
- (D) 27,568
- (E) 27,836

13. What is the value of $6 \times \frac{3}{8}$?

- (A) $\frac{2}{8}$
- (B) $\frac{9}{8}$
- (C) $\frac{18}{8}$
- (D) $\frac{51}{8}$

Part B

Martin gave $\frac{6}{12}$ of the corn bread to his teacher.

Write a comparison using $<$, $>$, or $=$ to compare the fractions $\frac{1}{3}$ and $\frac{6}{12}$.

Explain how the model can be used to compare these fractions.

Enter your comparison and your explanation in the space provided.

15. Part A

How many of the students that responded have 2 pets?

Enter your answer in the box.

•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Part B

How many more students have 1 pet than students who have 3 pets?
Explain your answer.

Enter your answer and explanation in the space provided.

PLEASE DO NOT WRITE IN THIS AREA



SERIAL #

Part C

Find the total number of pets the fourth-grade students have.

- Explain how you used the bar graph to solve the problem.
- Show your work using equations.

Enter your explanation, your work, and the total number of pets in the space provided.

Part B

Shaun wants to write a fraction that is equivalent to the fraction $\frac{2}{3}$.

Describe how Shaun can find a fraction that is equivalent to $\frac{2}{3}$.

Enter your description in the space provided.



You have come to the end of the test.

- Review your answers.
- Then, close your test booklet and raise your hand to turn in your test materials.





**Grade 4
Mathematics
Test Booklet**

*Performance Based Assessment
Practice Test*